

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612

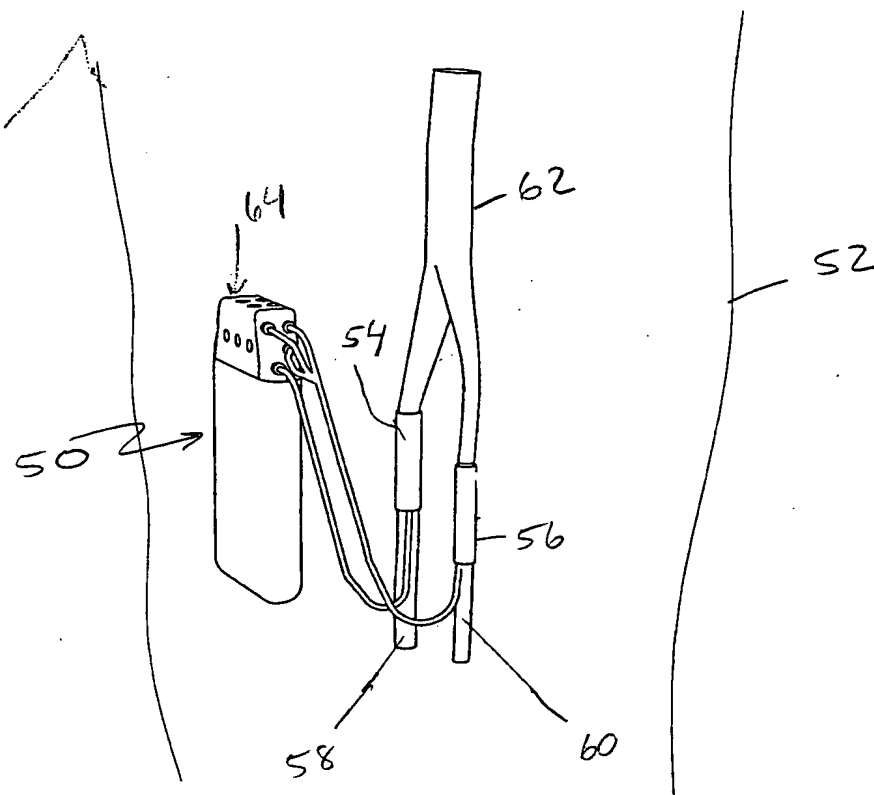
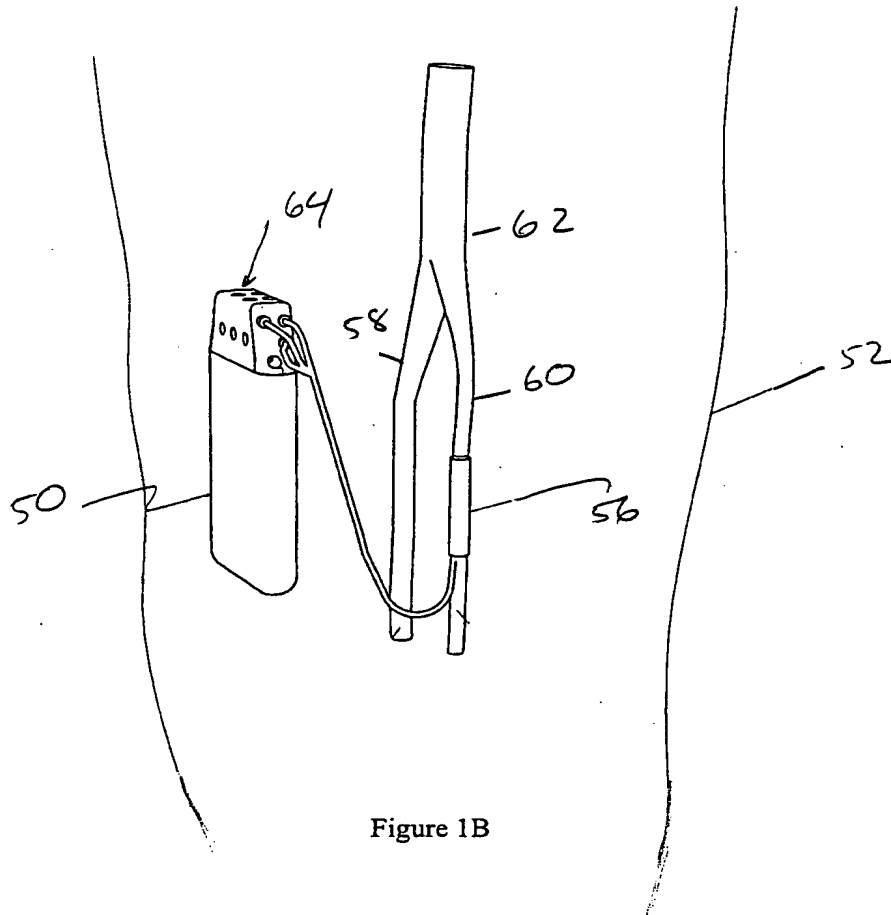


Figure 1A

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

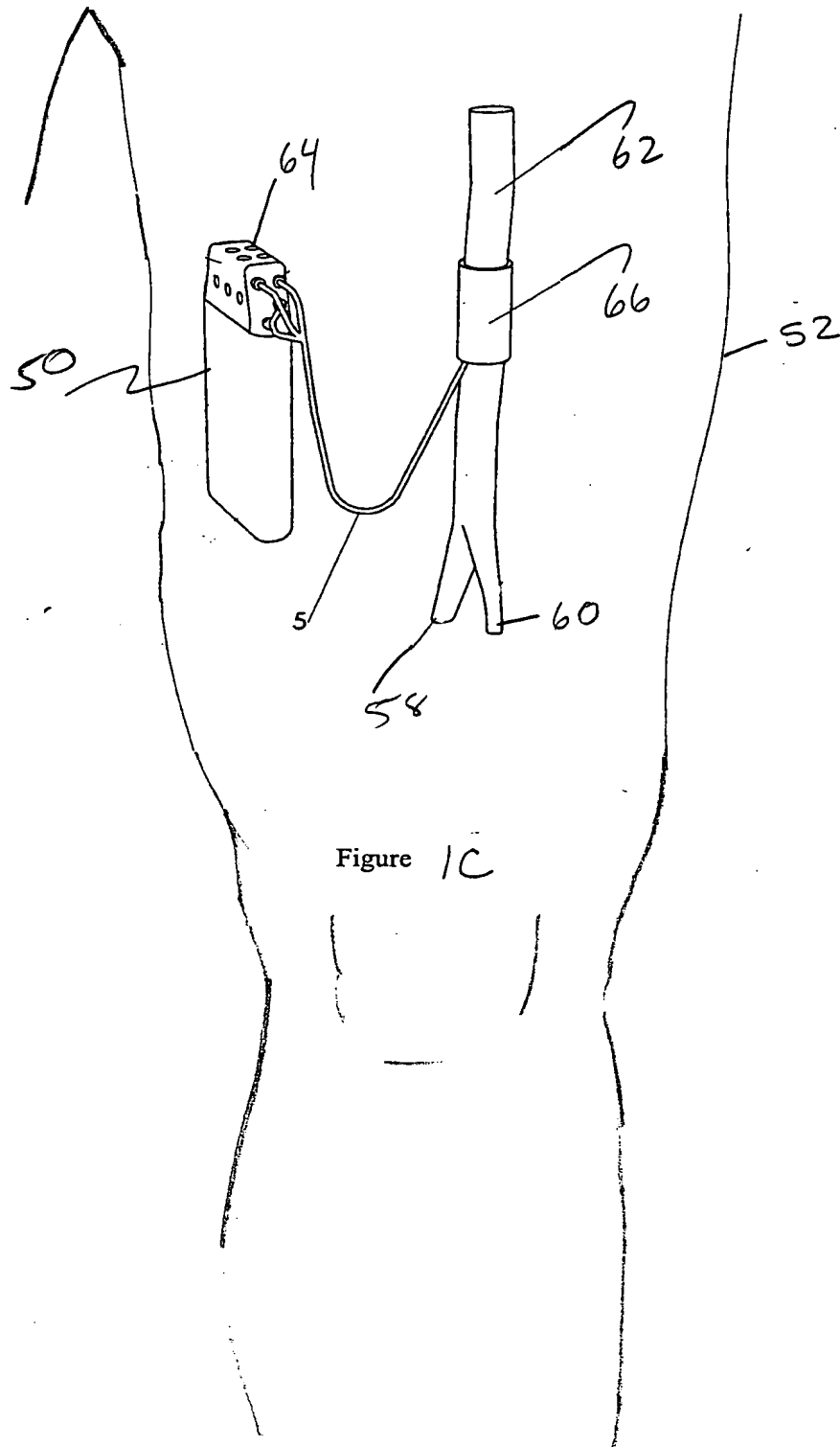
Docket No.: NEUR122612



Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612



Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612

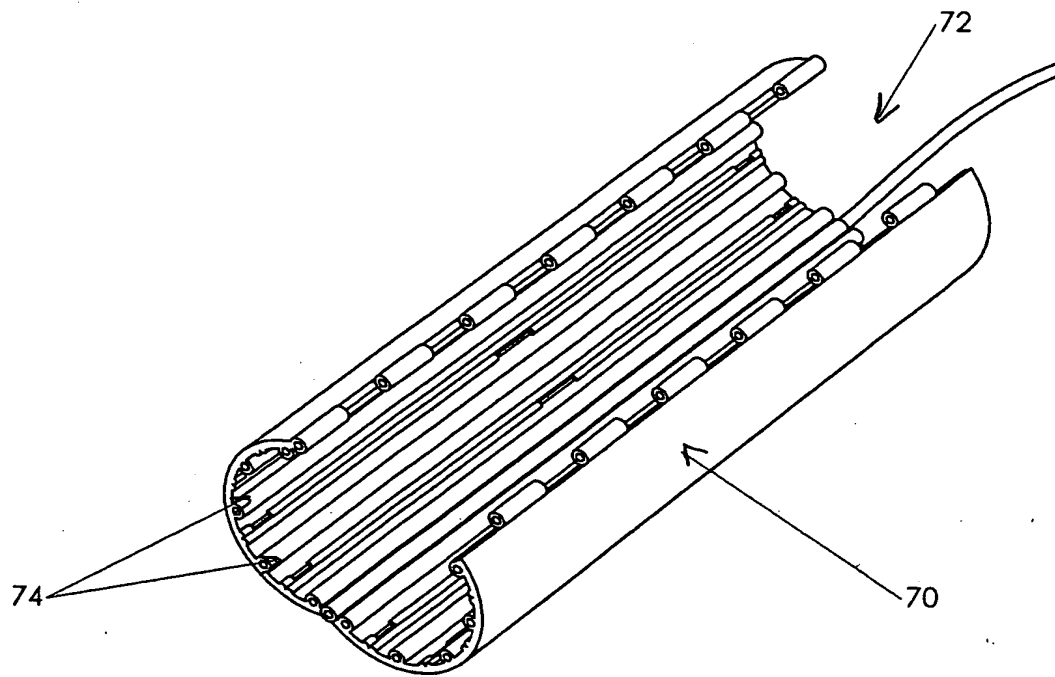


Fig 2

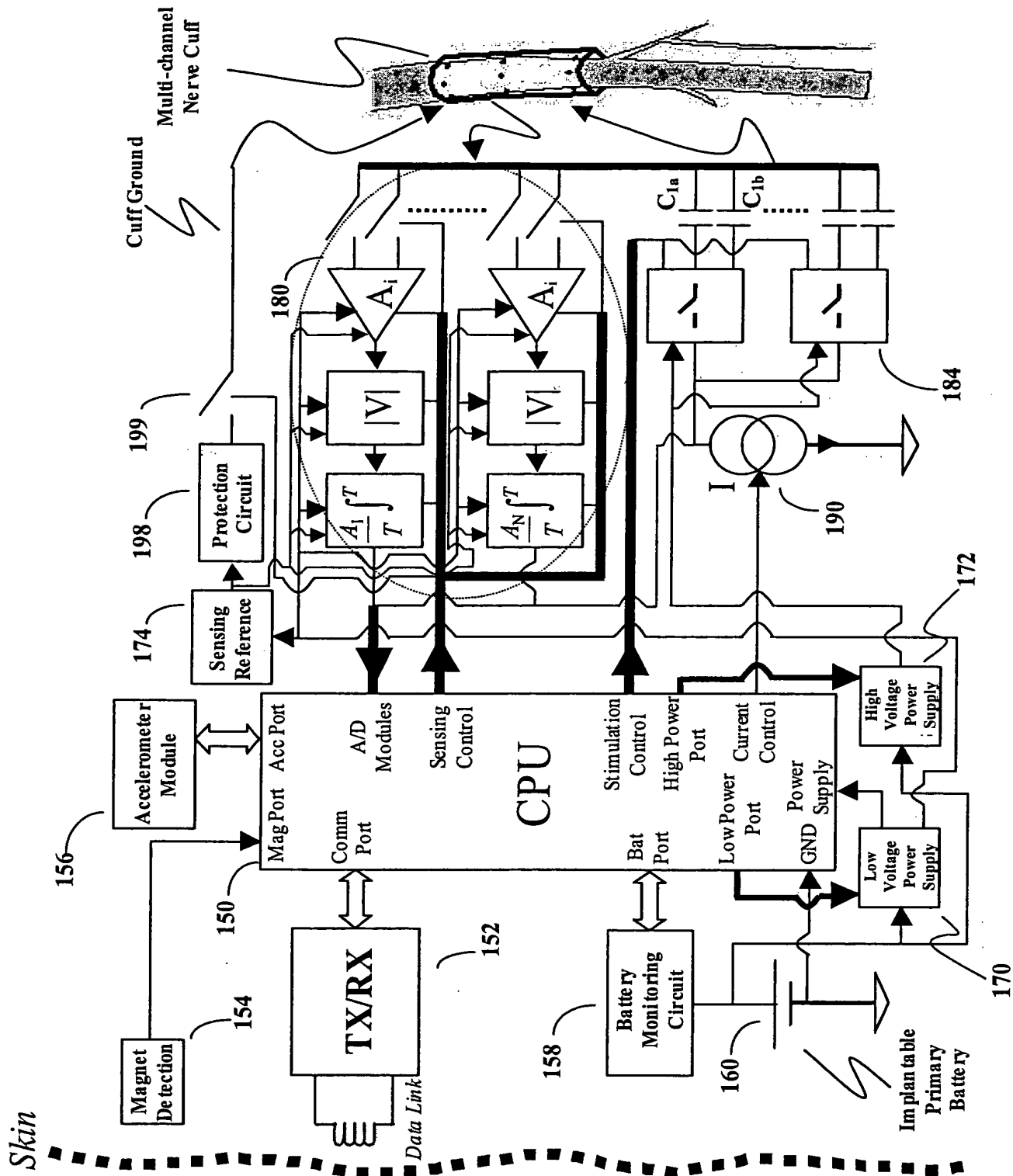


FIG. 3

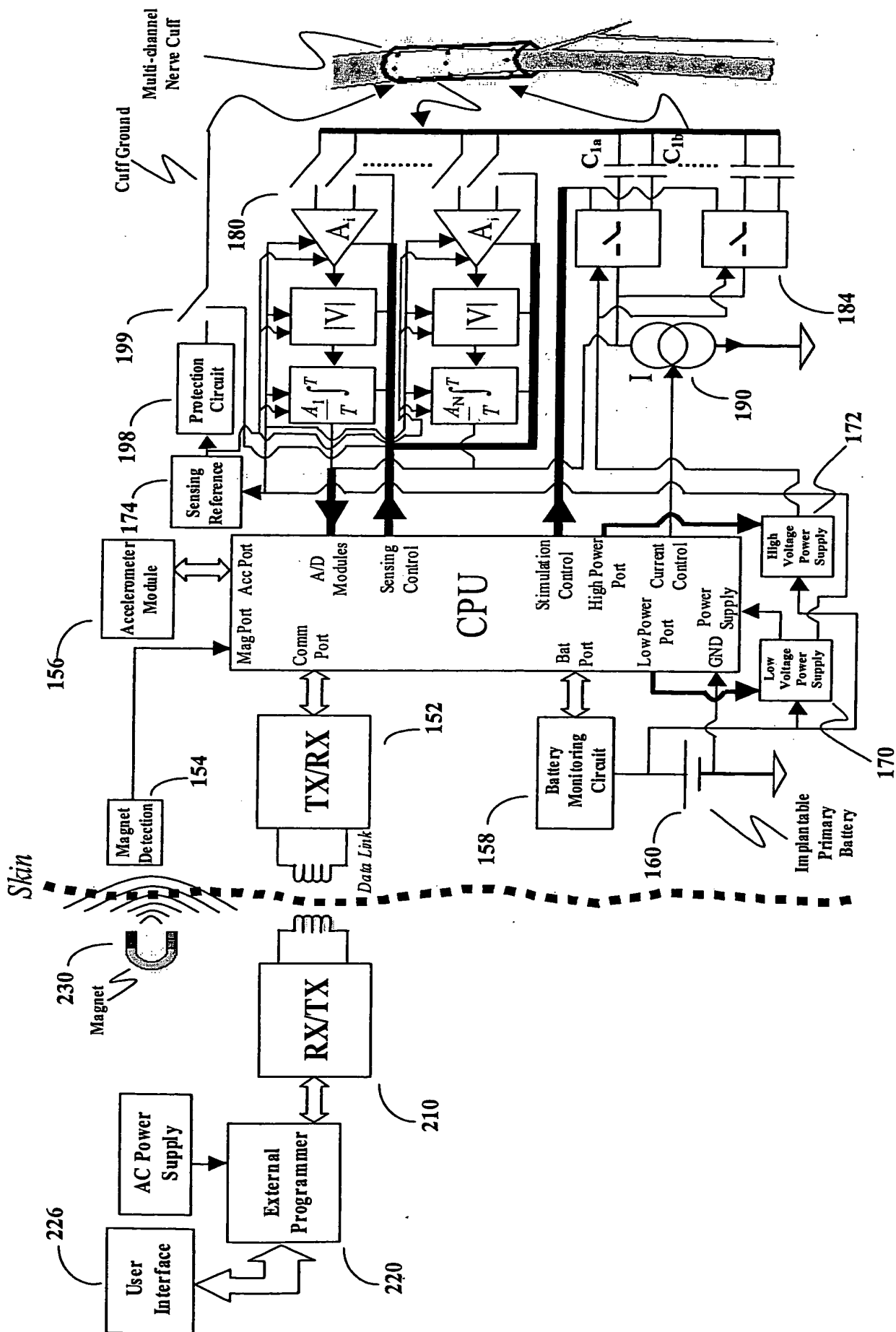


FIG. 4

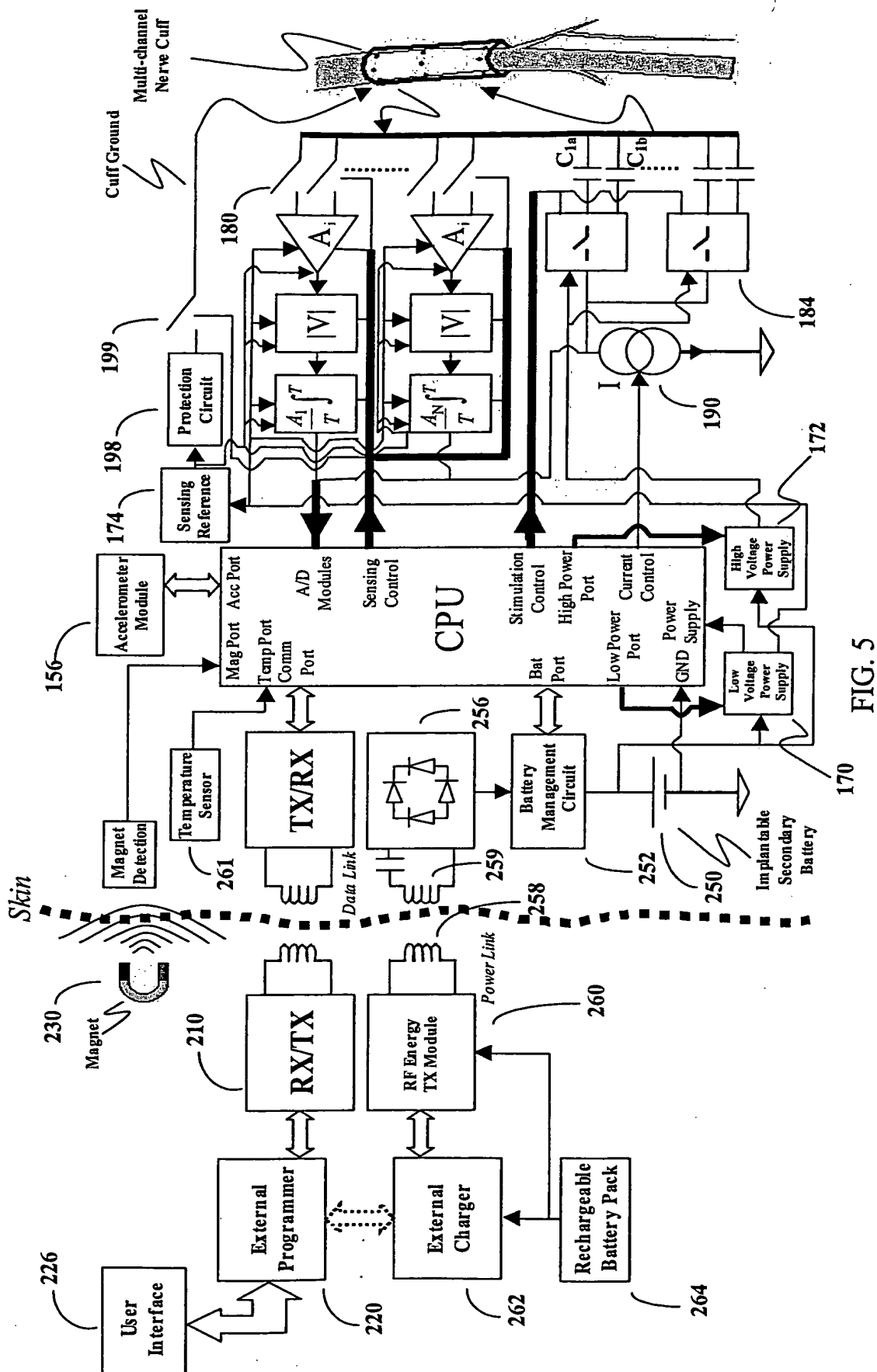


FIG. 5



Inventors: M.D. Baru Fassio et al.  
Docket No.: NEUR122612

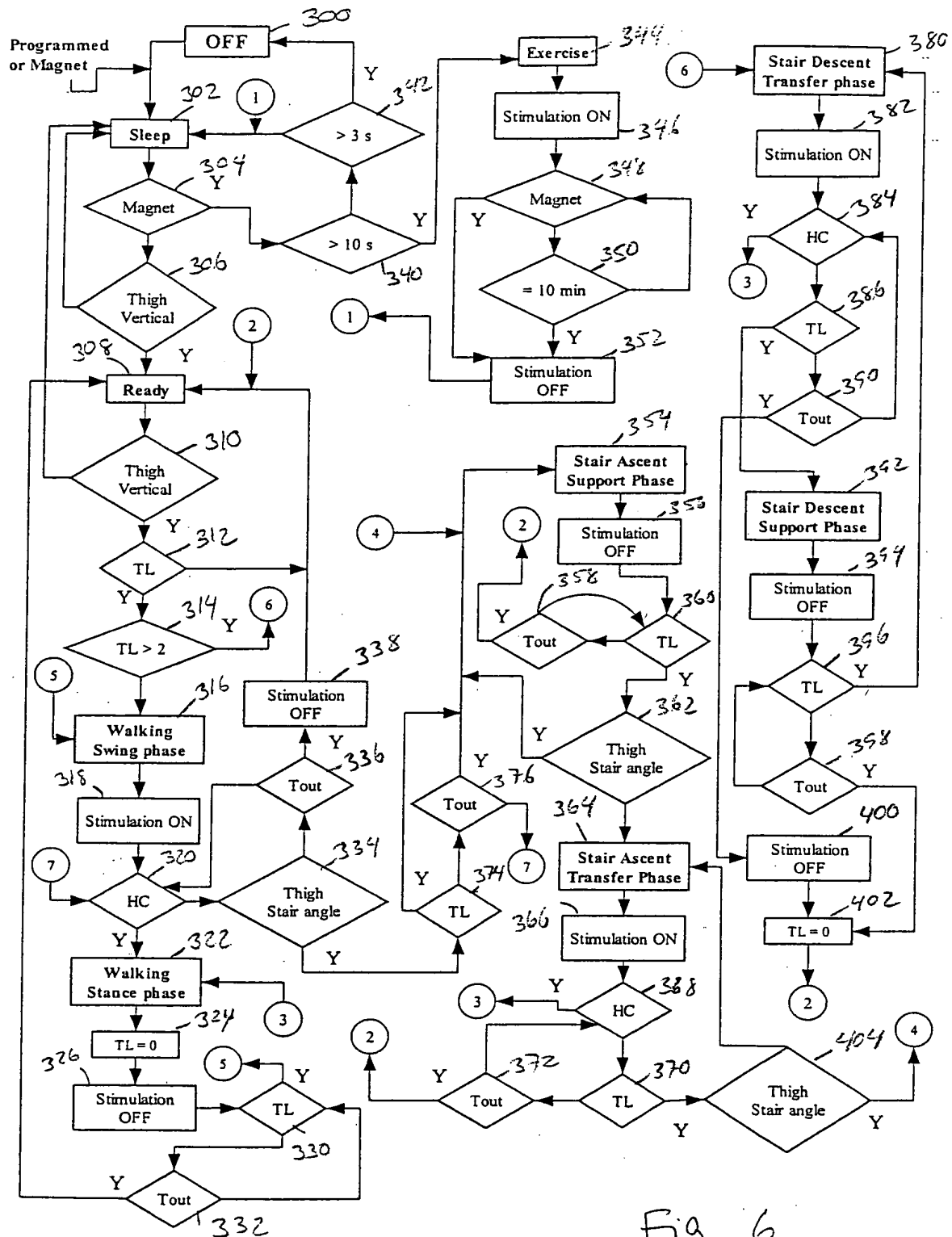


Fig. 6

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612

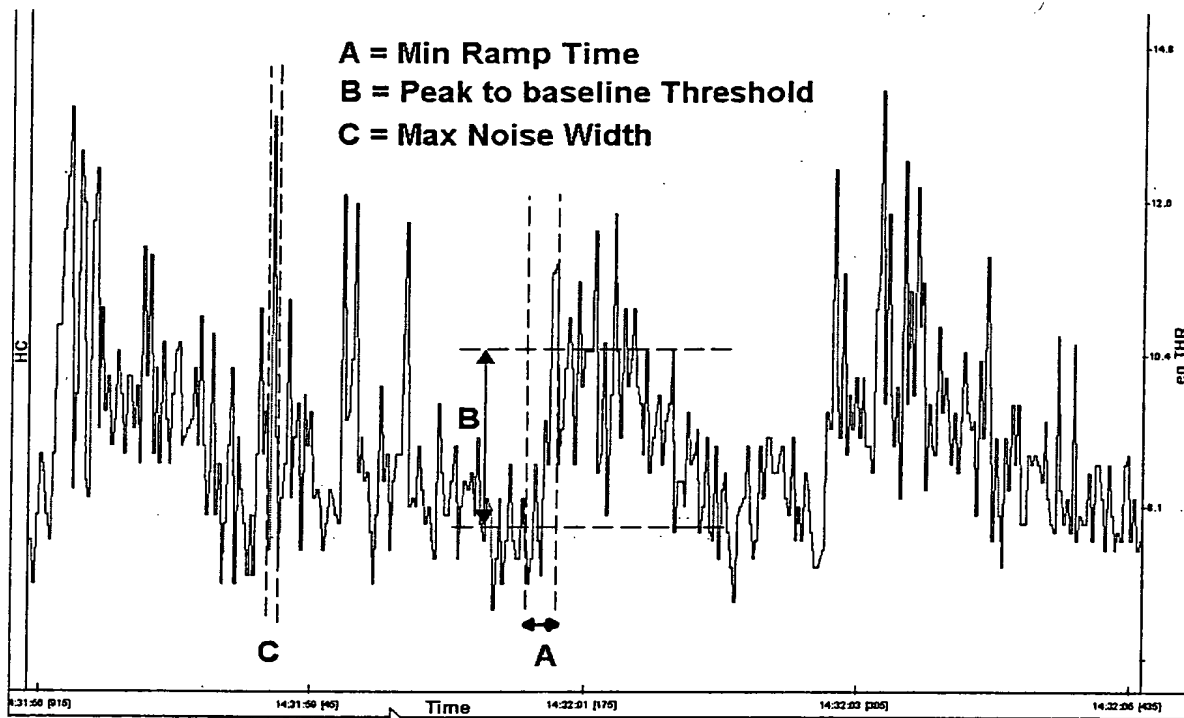


Figure 1. HC Rising event characterization

FIG  
7A

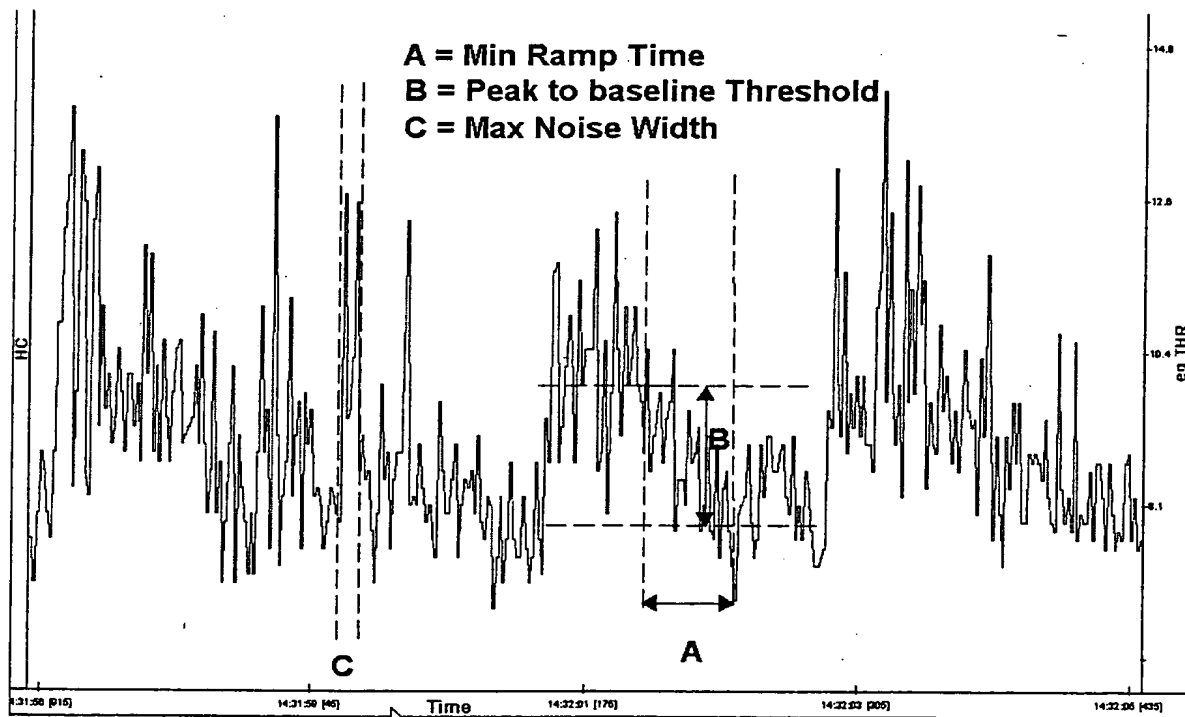


Figure 2. TL Falling event characterization

FIG  
7B

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Barua Fassio et al.

Docket No.: NEUR122612

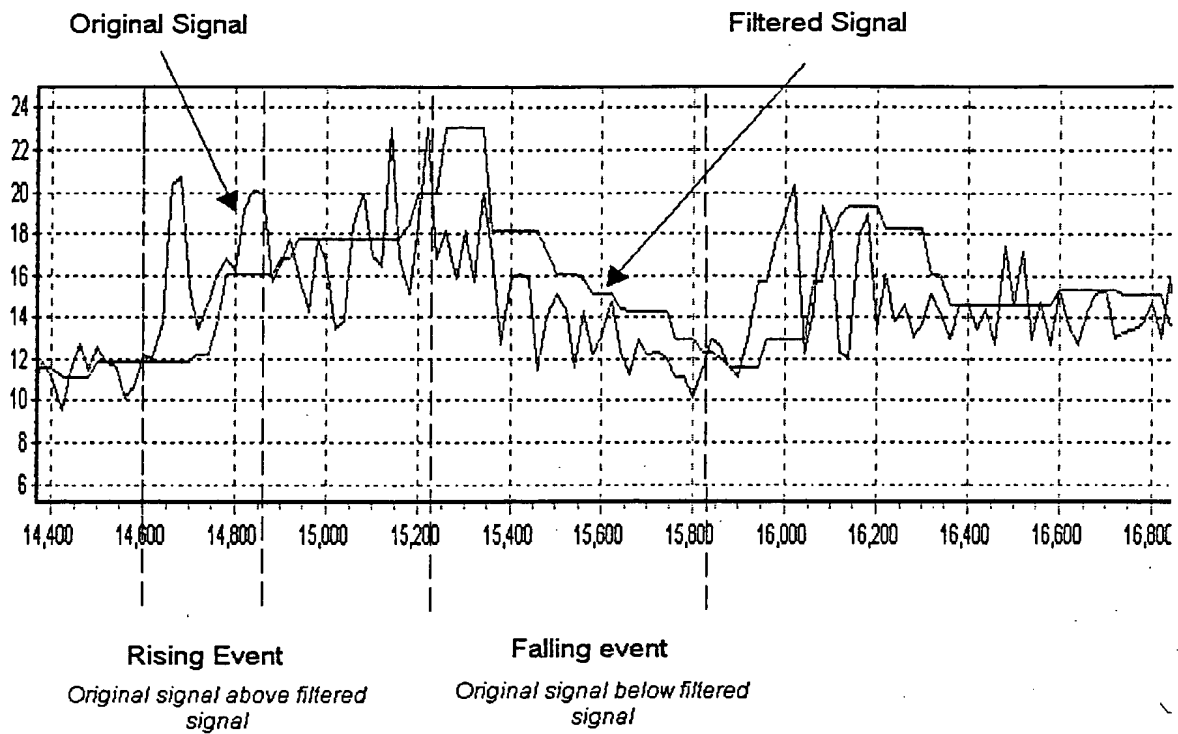


FIG 7C

## HC Rising Event location Flow Chart

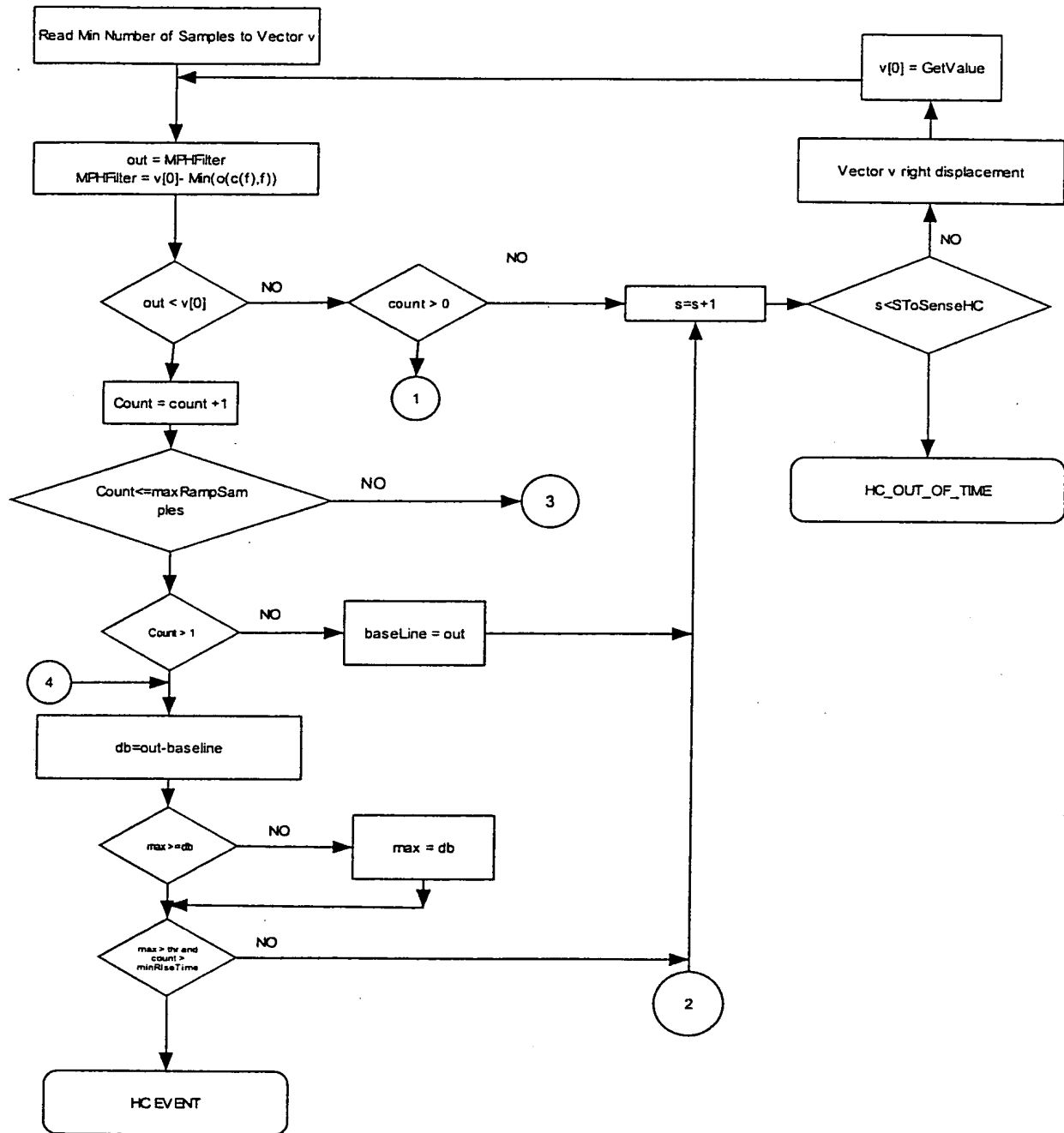


Figure 8A

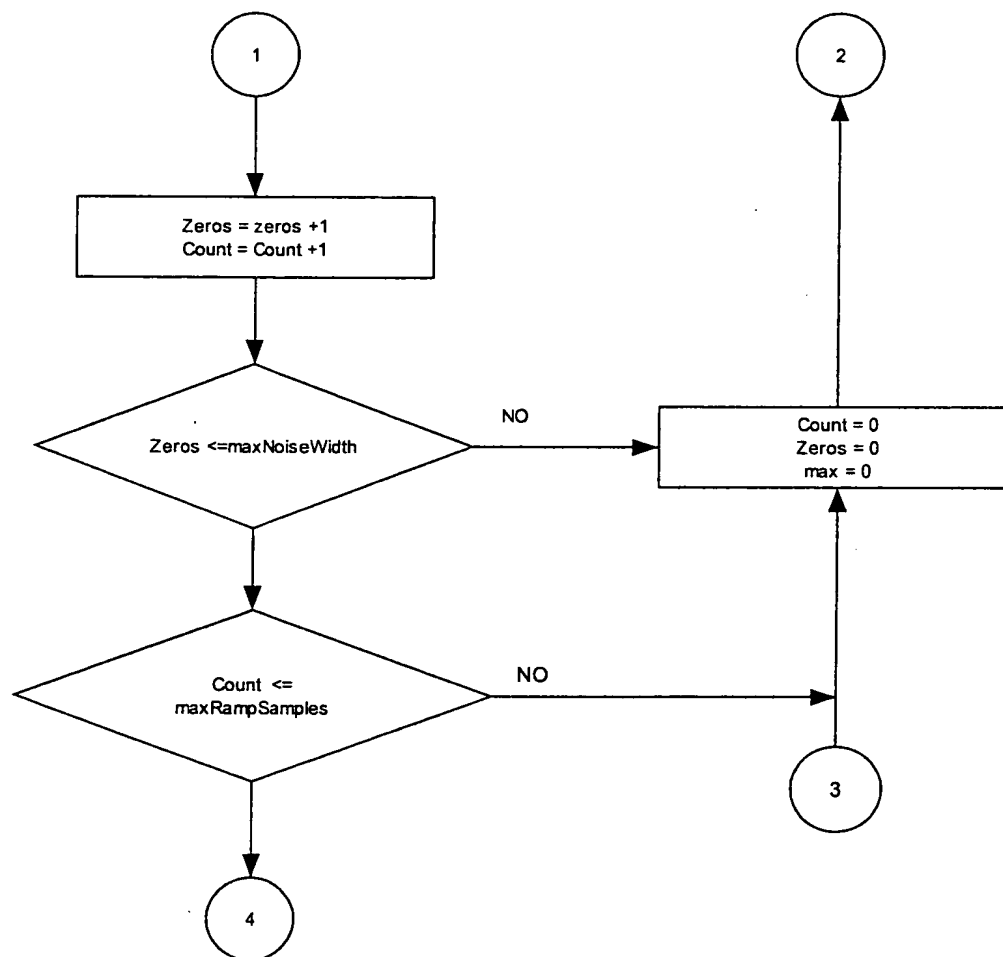


Figure 8B

## TL Falling Event location Flow Chart

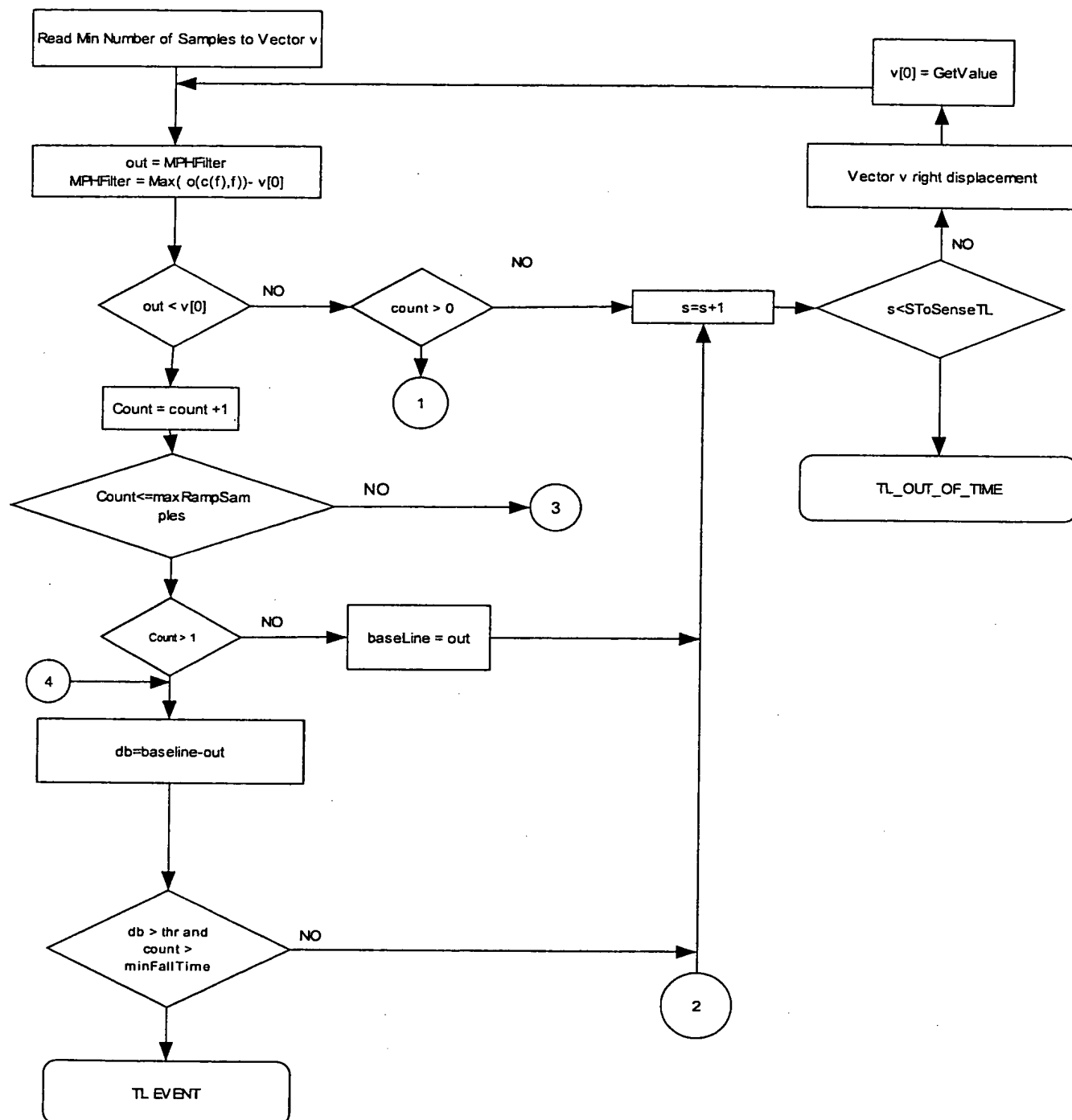


Figure 9A

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612

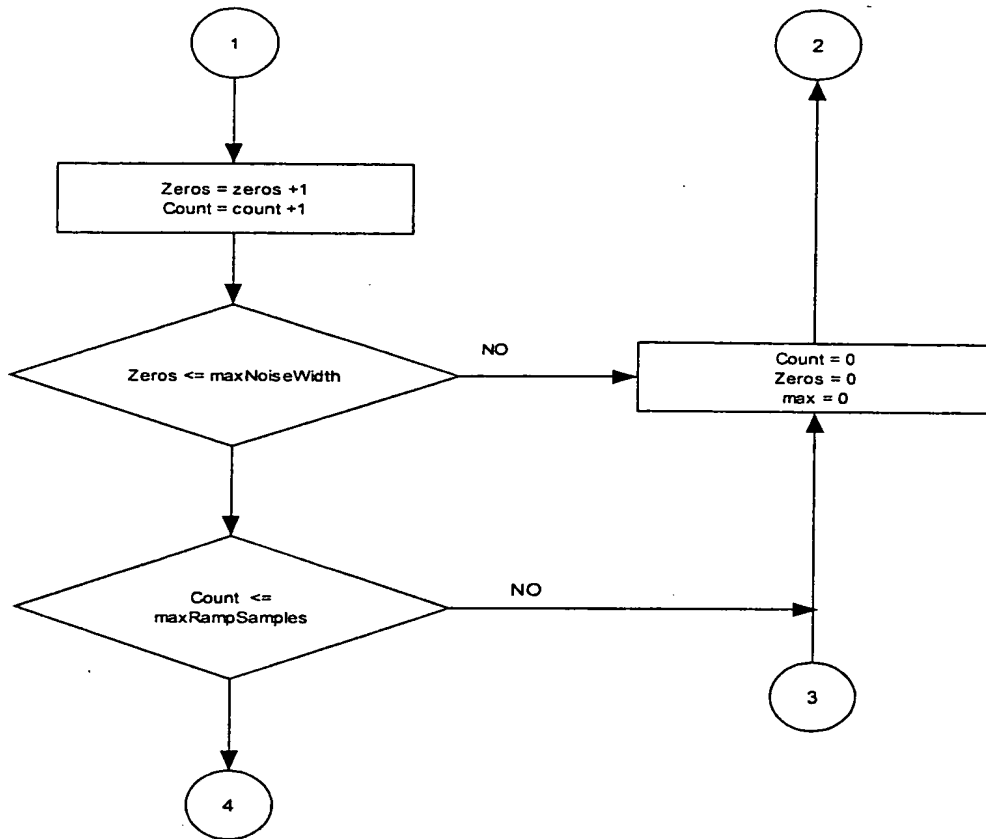


Figure 9B

- 2 -

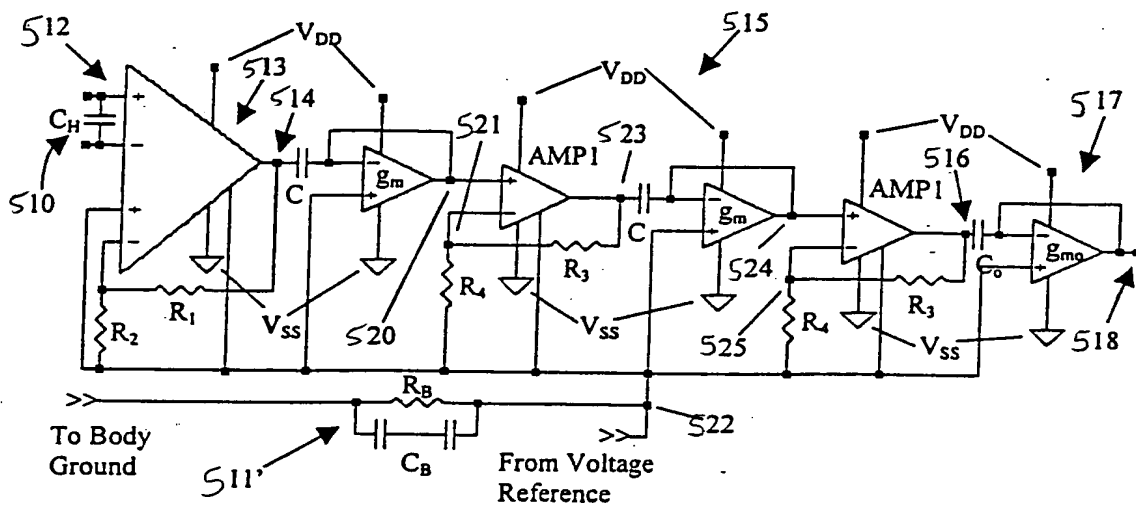


FIG. 10A

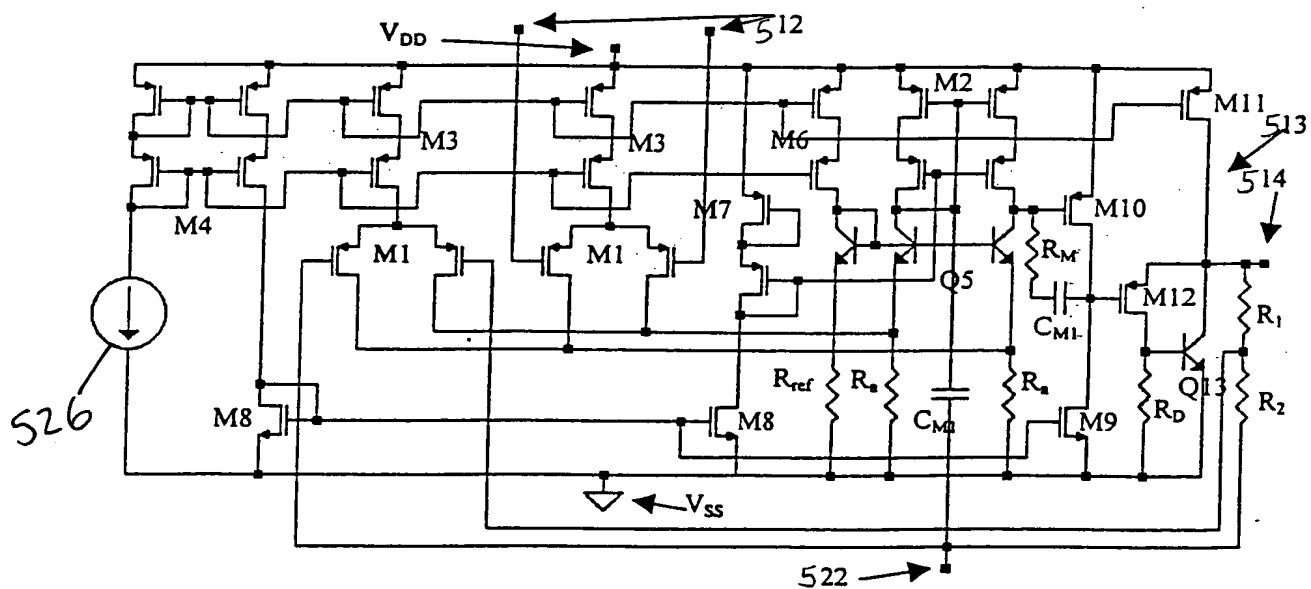
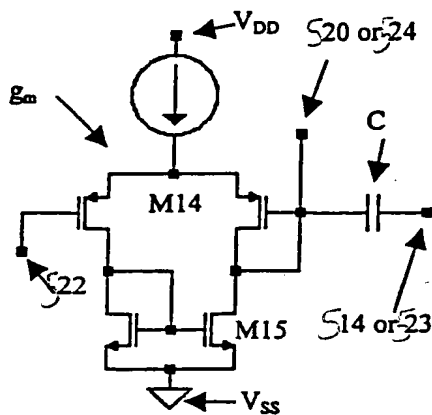
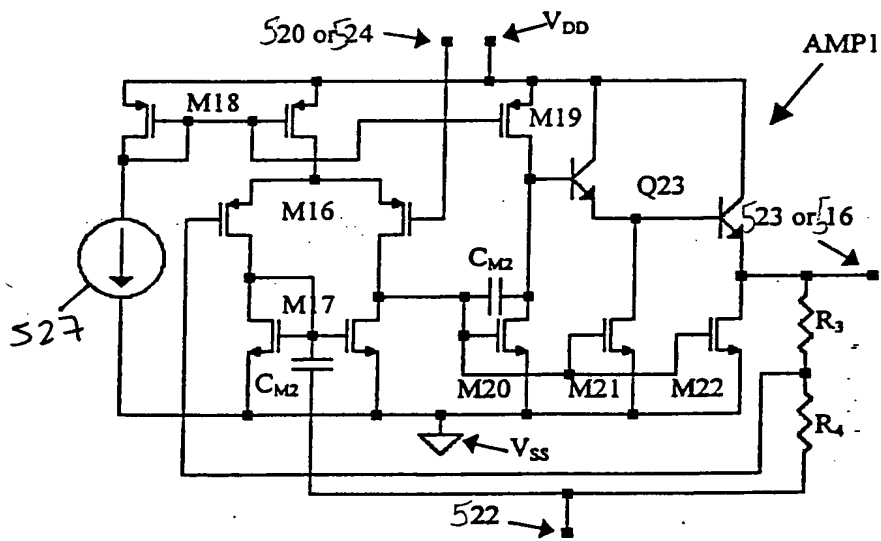


FIG. 10B





**FIG.** 10C



**FIG.** 100

Inventors: M.D. Baru Fassio et al.  
Docket No.: NEUR122612

Docket No.: NEUR122612

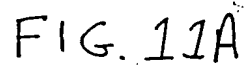


FIG. 11A

Title: FULLY IMPLANTABLE NERVE SIGNAL SENSING  
AND STIMULATION DEVICE . . .

Inventors: M.D. Baru Fassio et al.

Docket No.: NEUR122612

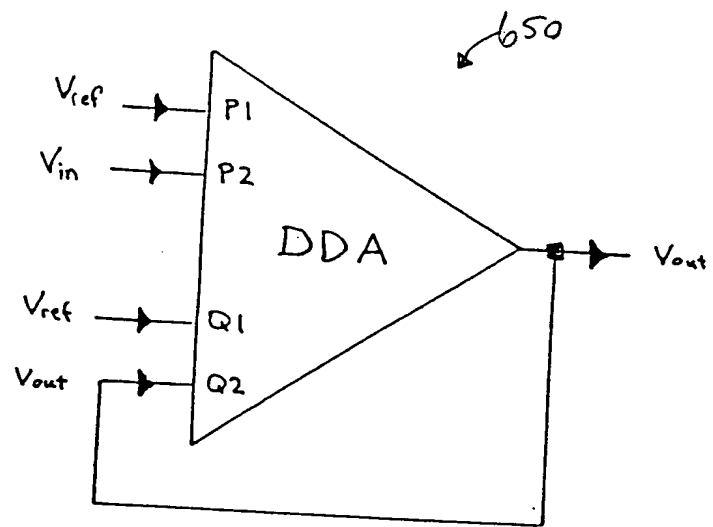


FIG. 11B

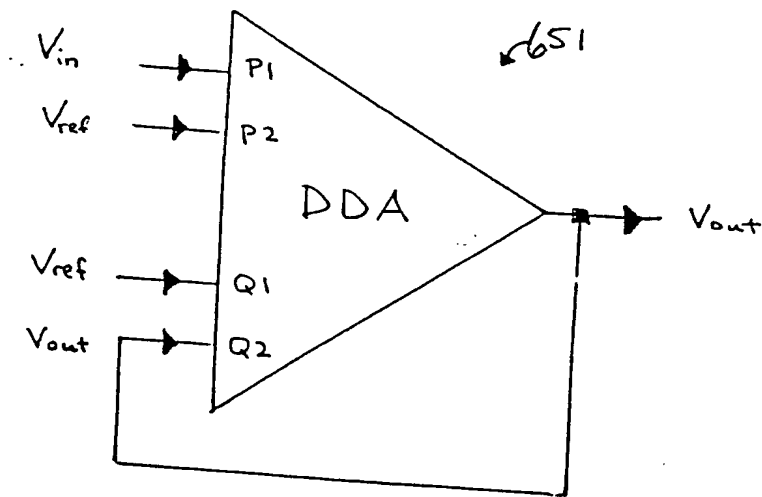


FIG. 11C



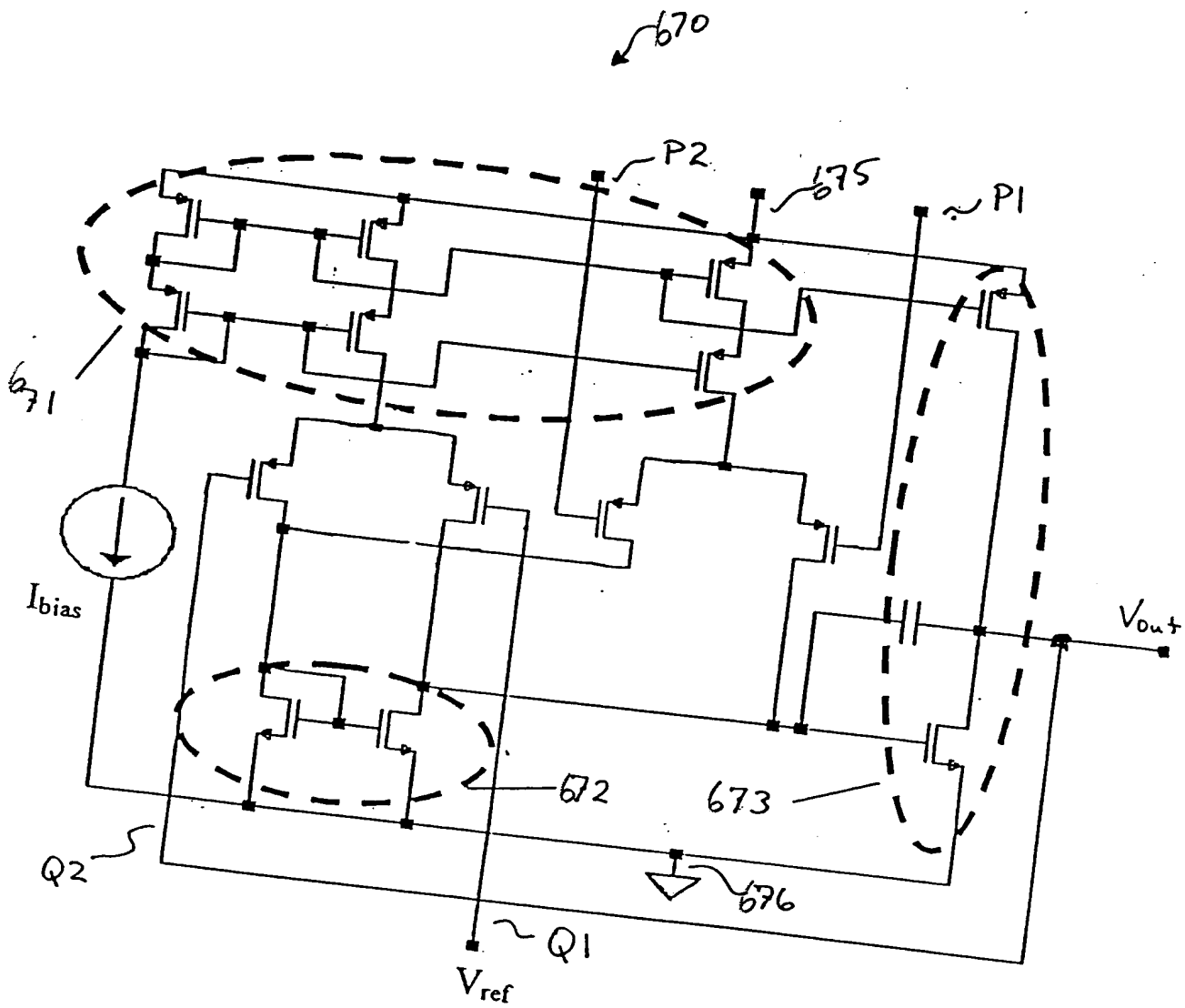


FIG. 11E